

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 2: Generation Study - Includes Extrapolation of Residential or Non-Residential Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the ONE choice below that best explains your request to the Board.

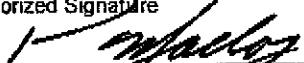
1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.
 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name	County		
Arcadia	Los Angeles		
Authorized Signature	Title		
			
Type/Print Name of Person Signing	Date	Phone ()	
Pat Malloy, Public Works Services Director	1/31/02	(626) 256-6554	
Person Completing This Form (please print or type)	Title	Environmental Consultant	
Phil Perkins			
Affiliation:	EcoTelesis International		
Mailing Address	City	State	ZIP Code
11800 Goldring Road P.O. Box 60021	Arcadia	CA	91006-6021
E-mail address			

Section II: Information for New Generation-Based Study

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:	2. Proposed new generation-based study year:
1990	2000

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

The new generation number reflects the City's current disposal and diversion practices in the year 2000.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	a. 30 %	Diversion rate calculated using new generation-based study	b. 56 %
For existing base year pounds/person/day based on generation	16	For new generation based study pounds/person/day based on generation	23
Residential generation 27 %	Non-Residential generation 73 %	Residential generation 22 %	Non-Residential generation 78 %
Population existing generation-based study	48284	Population new generation-based study	54000

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide examples, e.g. change in jurisdiction's demographics.

The pounds per person per day has increased due to the fact that this base year study includes well-documented generation tonnage associated with the City's race track as well as the 127-acre arboretum. The City has implemented its SRRE programs and has increased the diversion tonnage since the original 1990 base year.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The City's SRRE programs have contributed to the increase in diversion. The City works with local businesses to encourage waste reduction and recycling. All of the used straw and manure from the City race track is diverted / composted. The City grasscycles the City medians and monitors street weepings so that they can be diverted. Residents are provided with a separate green waste collection program. Automated curbside refuse and commingled recycling service is provided to residents.

7. Disposal Tonnage: (enter values)		31186	84318	Total	115504
	Residential	Non-Residential			
Please select the ONE choice below that best explains your disposal data and complete the required tables.					
<input type="checkbox"/> a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)					
<input type="checkbox"/> b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at http://www.ciwmmb.ca.gov/lgencentral/forms/rytnmdrq.doc)					
<input type="checkbox"/> c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at http://www.ciwmmb.ca.gov/lgencentral/forms/rytnmdrq.doc)					

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: the Board expects the jurisdictions to be able to provide all back-up documentation, if requested.) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes [i.e., agricultural wastes, inert solids (e.g. concrete, asphalt, dirt, etc.), white goods, and scrap metal], please identify those programs/waste types and list out section 11. Note: Restricted waste material should not be extrapolated in non-residential waste audits. Please mark as attachment 8 all copies of survey forms.

* Please provide detailed non-residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation	Specific material type(s) (List programs with multiple materials together)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmmb.ca.gov/lgencentral/PARIS/Codes/ Reduce, Reuse,	(A)	(B)	(A+B)	(A+B)/Total Generation			
Residential Activities:							
Source Reduction							
Backyard composting							
Grasscycling							
Other residential source reduction (list each program separately)							
Enter program name							
Enter program name							
Enter program name							
Enter program name							
Subtotal Res. Source Reduction	0	0	0	0			
Recycling							
Curbside Recycling	4222	N/A	4222	1.8%	CRV plastic, glass and metal	Actual Weight	Department of Conservation
Buy Back centers	206	N/A	206	0.1%	CRV plastic, glass and metal	Actual Weight	Department of Conservation
Drop-off centers		N/A					
Other residential recycling (list each program separately)							
Enter program name							
Enter program name							
Enter program name							
Enter program name							
Enter program name							

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation	Specific material type(s)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmbc.ca.gov/LGCentral/PARIS/Codes/ Reduce.htm							
Subtotal Residential Recycling	4428		4428	1.9%			
Composting							
Green waste drop-off	N/A	N/A	11115	4.8%	Residential Green Waste	Hauler Weight Tickets	City Public Works Department
Curbside Green waste	11115	N/A					
Christmas Tree program		N/A					
Other residential composting (list each program separately)							
Enter program name	N/A						
Enter program name	N/A						
Enter program name	N/A						
Enter program name	N/A						
Enter program name	N/A						
Subtotal Residential Composting	11115		11115	4.8%			
Subtotal Residential Diversions	15543	0	15543	6.8%			
Non-Residential Activities:							
Source Reduction							
Non-residential Waste Audits*	3768	3062	6830	3.0%	See Section 9	See Section 9	See Section 9
Other non-residential source reduction (list each program separately)							
City Grasscycling Program	505	N/A	505	0.2%	Grass	77.69 acres @ 6.5 tons per acre per year / California Turfgrass Study	City Public Works Department
City & County Golf Course Grasscycling	832	N/A	832	0.4%	Grass	128 mowable acres @ 6.5 tons per acre per year / California Turfgrass Study	Survey of Golf Courses (not included in waste audit data)
Arboretum Mulching	11	N/A	11	0.0%	Chipped green waste	4 cubic yards/wk @ 108 lb/cubic yard (USEPA)	Survey of Arboretum (not included in waste audit data)
Arboretum Grasscycling	97	N/A	97	0.0%	Grass	15 mowable acres @ 6.5 tons per acre per year / California Turfgrass Study	Survey of Arboretum (not included in waste audit data)
Subtotal Non-Residential Source Reduction	5213	3062	8275	3.6%			
Other non-residential recycling (list each program separately)							
Non-residential Waste Audits*	12068	12707	24775	10.8%	See Section 9	See Section 9	See Section 9

Other non-residential recycling (list each program separately)

See Section 9

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation	Specific material type(s)	Type of record and location of record
	(A)	(B)	(A+B)	(A+B)/Total Generation	(List programs with multiple materials together)	
Please use the Board's program types. The program type glossary is online at: http://www.ciwmib.ca.gov/ LGCentral/PARIS/Codes/						
City Racetrack Recycling	210	N/A	210	0.1%	Cardboard, mixed paper, greenwaste	Hauler Weight Tickets
Enter program name		N/A				Santa Anita Race Track Records (not included in waste audit data)
Enter program name		N/A				
Enter program name		N/A				
Enter program name		N/A				
Subtotal Non-Residential Recycling	12278	12707	24985	10.9%		

Diversion Activity	Actual tons	Estimated or extrapolated tons	Total tons	Relative Percent to Total Generation	Specific material types)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmcb.ca.gov/ LGCentral/PARIS/Codes/ Reduce, him	(A)	(B)	(A+B)	(A+B)/Total Generation	(List programs with multiple materials together)		
Composting							
Non-residential Waste Audits*	1712	1545	3257	1.4%	See Section 9	See Section 9	See Section 9
Other non-residential composting (list each program separately)							
City Racetrack Composting	35702	N/A	35702	15.6%	Shavings and straw - not included in survey data	Hauler Weight Tickets	Santa Anita Race Track Records (not included in waste audit data)
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Enter program name		N/A					
Subtotal Non-Residential Composting	37414	1545	38959	17.0%			
Subtotal Non-Residential Diversion	54905	17314	72219	31.5%			
Residential/Non-residential Diversion Activities							
ADC	5365	N/A	5365	2.3%	ADC minus residential greenwaste	Landfill Tonnage Report	Disposal Reporting System
Sludge		N/A					
Scrap metal	13	N/A	13	0.0%	Stop signs, light posts, traffic signals	Weight Tickets	City Public Works Department
Construction and demolition		N/A					
Landfill salvage	20720	N/A	20720	9.0%	Beneficial re-use and salvage	A. County landfill report revised October 1, 2001	L. A. County Department of Public Works
Subtotal Residential/Non-Residential Diversion	26098		61800	26.9%			
Total Res/NonRes Source Reduction Tons	5213	3062	8275	3.6%			
Total Diversion Tons	96546	17314	113860	50%			
Total Disposal Tons from Sec. 7	115504		115504	50.4%			
Total Generation (Div+Dis)	212050	17314	229364				
Diversion Rate				50%			

9. Specific Non-Residential Sector Waste Audits – Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from the largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Form will perform all calculations).

Include attachment, marked attachment 9, which includes a summary of all the generators surveyed and all extrapolation calculations used to estimate the diversion rate:

- Include copies of survey form(s) used.
- Include for each generator (use type of generator in lieu of specific generator name, e.g. grocery store) each specific diversion activity and material type (e.g. cardboard recycling) and the associated tonnage for each diversion activity/material type, and applicable conversion factors/source.
- If using number of employees for your extrapolation method, include this information for each generator surveyed.
- Please order the non-residential generators, largest to smallest, based on total diversion tons.
- Also, summary should include the generators that were selected to be surveyed, but did not respond to the survey and the number of employees at each generator.

As a comparison between disposal from the waste audits and DRS, the disposal for each generator must be included in the summary. Also, you should note if the disposal is being used for the extrapolation calculation. For each non-residential generator, the disposal must be broken out by cubic yard, and roll-off or compactor weights. If disposal was estimated for either disposal-based or employment-base extrapolation methods, please include conversion factor(s) for disposal and source for conversion factor(s). Please provide an explanation as to how the conversion factor(s) is (are) appropriate for your jurisdiction, e.g. study was conducted to determine average weights using hauler weight tickets, etc.

Type of Non-residential Generator	Audit Reference Number	Specific Diversion Activities include material type (e.g. paper recycling, grasscycling). (List activities on one line)	Number of Employees	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation in Section 8	Percent of Total Diversion Tons	Survey Method
										Phone (P) Mail (M) On-site (O) Other _____
Retail Store	J-1	cardboard, paper and plastic recycling; cardboard, plastic reuse, toner cartridge return	140	7	182		189.25	0.1%		
Grocery Store	R-4	cardboard, paper recycling, food and bread donated, plastic and wood crate reuse, oil and meat rendering	33	55	411	276	741.96	0.3%		
Manufacture Drill Bits	R-8	cardboard, paper and newspaper recycling, steel shaving recycling (after 1990), pallet reuse and toner cartridge return	65	16	873		888.98	0.4%		
Golf Course	S-5	grasscycling	10	7410			7410	3.2%		
Supermarket	P-2	wood waste, cardboard, paper, mixed metal (after 1990), plastic recycling, produce composting, meat and grease rendering	125		492	257	748.5	0.3%		
Grocery Store	R-3	cardboard and plastic rendering, bread donation, produce composting, cooking grease rendering, toner cartridge return	36	19	367	113	498.73	0.2%		
Park	L-1	grasscycling, paper recycled, pallets reuse	4	338	0		338.41	0.1%		
Building Material Supply	A-1	sand and dirt recycling, paper recycling, toner cartridge return, paper reuse, steel can reuse, pallet reuse	14	53	98		150.68	0.1%		
Hotel	G-7	cardboard and paper recycling, food donation	32	1	145		145.82	0.1%		

Board Meeting

October 15-16, 2002

Supermarket

V-5	cardboard and paper recycling, plastic and metal recycling (started after 19990), produce composting, meat and grease rendering	55
Totals	514	7899
		2676

Summarize the non-residential diversion activities for the top 10 generators quantification methodology and applicable conversion factors and sources. (e.g. cardboard recycling; quantified by monthly tonnage receipts provided by the contact person at the business)

Agenda Item

Attachment 2A

10. On a separate sheet of paper, marked attachment 10, provide the following information for each diversion program listed in section 8 that was extrapolated from representative sampling. (Note: Do not include non-respondents in extrapolation because there is no data from the non-respondents. Extrapolate from survey respondents.)

A. Describe sampling method including:

- Type of sampling method (for either stratified or cluster sampling provide detailed information on how strata and clusters were collected.);
- Total number of samples included in the survey;
- Number of non-respondents and respondents;
- Total population;
- Source for identifying population (e.g. city business licenses, commercial database, resident's addresses, etc.);
- Relation of sample size to total population;
- Survey data collection tool(s) and approaches;
- Confidence level and margin of error for the sampled population;
- Outliers (specific generators which fall significantly above or below others) should be removed from base amount prior to extrapolation; and
- Unusual outliers and exceptional anomalies should be described in detail.

B. Describe the methods used to prevent double-counting between the surveys and the reported tonnages from haulers, recyclers, MRFs and composters.

C. Describe extrapolation method including:

- Basis of extrapolation;
- Why this extrapolation method is appropriate; and
- Sources of information used for extrapolation, such as disposal or employment.
- Include all Calculations.

11. For each restricted waste type [(i.e. agricultural waste, inert solids (e.g. concrete, asphalt, dirt, etc.), scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table:

(Note: program name refers to one specific diversion program for that waste type, for example diversion conducted by City Public Waste Dept.)

Restricted Waste Type	Specific Program name	Year started	Tonnage
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		
Pull Down for Waste Types	▼		

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 11b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 11b for that waste type and program. Instead please provide date of Board approval of previous submitted information.) _____

(Date)

If documentation is not available, go to 11d.

▪ How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].

▪ That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.

▪ The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 11b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	
Pull Down for Waste Types	▼	

d. If the diversion program started before January 1, 1990, and the documentation requested in 11b is not available, please complete the table below for each program claimed. (Note : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			
Pull Down for Waste Types	▼			

Attachment 9 All Survey-City of Arcadia □ Department of Conservation Data not included □ CIWM/B requires 241 samples / 2240 businesses

Ref No.	Type of Business	No. of Emps.	Type	Item	Activity	Conversion wt.	Source	Reuse (lb/yr)	Recycling (lb/yr)	Composted (lb/yr)
1	Window Covering	1.5	Paper	White Ledger Paper	Recycled	12 lb/12 inches	USEPA	Recycled	109.0	
1			Paper	Cardboard	Recycled	1.1 lb/sm. box	USEPA	Recycled	286.0	
1			Paper	Cardboard	Recycled	2.2 lb/sm. box	USEPA	Recycled	572.0	
1			Paper	Cardboard	Recycled	4 lb/big Box	USEPA	Recycled	2,080.0	
2	Golf Course	4	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	7.5	
2			Yardwaste	Grasscycling	Grasscycling	6.5 tons per acre per year	Call Turfgrass Study	Reuse	182,000.0	
3	Grocery Store	65	Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	99,840.0	
3			Paper	Cardboard	Recycled	700 lb/bale (Business Estimate)	Company Data	Recycled	36,400.0	
3			Glass	Glass-Broken	Recycled (Return to Vendor)	2.160 lb/cy	FEEDCO	Recycled	2,780.1	
3			Organic	Meat (Bones)	Recycled (Rendered)	50 lb/day (Business Estimate)	Company Data	Recycled	18,250.0	
3			Organic	Cooking Oil	Recycled (Rendered)	1585 lb/cy	Eco-Ethesis	Recycled	20,588.7	
A-1	Building Material Supply	14	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	60.0	
A-1			Paper	Paper	Reuse (Scratch Paper)	5 lb/bam	USEPA	Reuse	360.0	
A-1			Metal	#10 Cans	Reuse	0.77 lb/can	USEPA	Reuse	55.4	
A-1			Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	105,760.0	
A-1			Inorganic	Dry Wall	Recycled	40 lb/foot (Business Estimate)	Company Data	Recycled	4,800.0	
A-1			Inorganic	Sand	Recycled	2.441 lb/cy	Tellus	Recycled	190,320.0	
A-2	Cable TV	2		None						
A-3	Misc. Clothing	10	Paper	White Ledger Paper	Reuse (Double-Sided)	5 lb/ream	USEPA	Reuse	260.0	
A-4	Pre-School	8	Paper	Cardboard	Recycled	2.43 lb/box	USEPA	Recycled	379.1	
A-4			Paper	Mixed Paper	Recycled	3 lb/week (Business Estimate)	Company Data	Recycled	156.0	
A-5	Liquor Store	1	Paper	Newspaper	Recycled	1.16 lb/day/per paper	Eco-Ethesis	Recycled	1,440.0	
A-5			Paper	Cardboard	Recycled	1.1 lb/sm. box	USEPA	Recycled	8,880.0	
A-6	Printing & Trophies	4.5	Plastic	Plastic Wrap	Recycled	5 lb/week (Business Estimate)	Company Data	Recycled	260.0	
A-6			Paper	Cardboard	Recycled	2.2 lb/sm. box	USEPA	Recycled	2,059.2	
A-6			Paper	Mixed Paper	Recycled	363.5 lb/cy	USEPA	Recycled	7,860.2	
A-6			Metal	Brass (started after 1990)	Recycled	220 lb/cy (Business Estimate)	Company Data	Recycled	200.0	
A-6			Metal	Aluminum (started after 1986)	Recycled	100 lb/cy (Business Estimate)	Company Data	Recycled	100.0	
A-7	American Red Cross	4		None						
A-8	Computer Modification	75	Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	5,200.0	
A-8			Paper	Phone Book	Recycled	4 lb/bk	USEPA	Recycled	10,400.0	
A-9	Bowling Lanes	22		None						
A-10	Government Office	105	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	600.0	
A-10			Paper	Cardboard	Recycled	50 lb/cy	USEPA	Recycled	15,600.0	
A-11	Clothing Retail	6.5	Paper	Cardboard	Reuse	2.2 lb/sm. box	USEPA	Reuse	1,584.0	
A-11			Paper	Cardboard	Recycled	2.2 lb/sm. box	USEPA	Recycled	4,976.4	
A-12	Restaurant	19.5	Organic	Cooking Oil	Recycled (Rendered)	7.54 lb/gal	USEPA	Recycled	4,470.0	
A-12			Plastic	Plastic Buckets	Reuse	1.9 lb/bucket	USEPA	Reuse	197.6	
A-13	Arboretum	50	Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	480.0	
A-13			Paper	Cardboard	Recycled	2.2 lb/sm. box	USEPA	Recycled	8,864.0	
A-13			Paper	Cardboard	Recycled	1.1 lb/sm. box	USEPA	Recycled	11,440.0	

Board Meeting
October 15-16, 2002

Agenda Item
Attachment 2A

Ref No.	Types of Business	No. of Entms.	Type	Item	Activity	Conversion wt.	Source	Reuse	Recycling	Composted
(lb/yr)										
A-13			Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	12.5	
A-13	Yardwaste		Grassrecycling	Grassrecycling	6.5 tons per acre per year	Calf. Turgrass Study	Reuse	193,050.0		
A-13	Yardwaste		Green Waste	Reuse	108 lb/cy	USEPA	Reuse	22,464.0		
A-13	Metal		Scrap Metal (started after 1/99)	Recycled	906 lb/cy	USEPA	Recycled	36,000.0		
A-13	Organic		Wood Scrap	Reuse	320.5 lb/cy	USEPA	Reuse	77,432.0		
A-14	Car Repair & Services	4	Metal	Steel (started after 1990)	Recycled	200 lb/blk (Business Estimate)	Company Data	Recycled	10,400.0	
A-4			Paper	Cardboard	Recycled	50 lb/cy	USEPA	Recycled	2,600.0	
A-15	Chamber of Commerce	8.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	15.0	
A-15			Paper	Paper	Recycled (to Schools)	5 lb/team	USEPA	Recycled	480.0	
A-15			Paper	Colored Paper	Donated (to Preschool)	5 lb/team	USEPA	Reuse	180.0	
A-16	Funeral Home	3.5	Other	Toner Cartridges	Recycled	2.5 lb/cartridge	EcoTessis	Recycled	1,206.4	
A-7	School	10.5		None			USEPA	Reuse	7.5	
A-18	Dry Cleaners (No Plant)	1		None						
A-19	Church	2.5	Paper	Newspaper	Recycled	500 lb/yr (Business Estimate)	Company Data	Recycled	500.0	
A-20	Convalescent Hospital	87		None						
A-21	Drinking Water	1	Paper	Cardboard	Recycled	2.2 lb/med box	USEPA	Recycled	105.6	
A-22	Fraternal Congregation (Charity)	3.5	Paper	Cardboard	Recycled	2.2 lb/med box	USEPA	Recycled	143.0	
A-23	Pre-School	8	Organic	Cooking Oil	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled	820.0	
A-24	Retail Store for Fresh Produce	1	Paper	Cardboard	Recycled	1.1 lb/sm. box	USEPA	Recycled	3,320.0	
A-25	High School	260	Paper	Mixed Paper	Recycled	365.5 lb/cy	USEPA	Recycled	113,412.0	
A-26	Gathering	1	Glass	Non CRV Glass Bottles	Recycled	1.08 lb/wine bottle	USEPA	Recycled	706.4	
A-26			Paper	Cardboard	Recycled	2.43 lb/box	USEPA	Recycled	1,578.5	
A-27	Lawn	1	Metal	Aluminum (started after 1990)	Recycled	1,000 lb/yr (Business Estimate)	Company Data	Recycled	1,000.0	
A-27			Metal	Steel (started after 1990)	Recycled	2,000 lb/yr (Business Estimate)	Company Data	Recycled	2,000.0	
A-28	Health Center			None						
A-29	Hospital	47	Paper	Cardboard	Recycled	100 lb/cy	USEPA	Recycled	57,200.0	
A-29			Paper	Mixed Paper	Recycled	3 tons/month (Business Estimate)	Company Data	Recycled	38,040.0	
A-29			Yardwaste	Green Waste	Source Reduction	100 lb/mth (Environmental Director)	Company Data	Source Redu	5,200.0	
A-29			Other Organic	Linens to rags	Source Reduction	75 lb/mo (Environmental Director)	Company Data	Source Redu	900.0	
A-29			Other Organic	Grease	Recycled	7.45 lb/gal	USEPA	Recycled	625.8	
A-29			Other	Toner Cartridges	Source Reduction	2.5 lb/cartridge	USEPA	Source Redu	300.0	
A-30	Muffler & Auto Repair	4	Other	Composite Brake Shoes	Recycled	350 lb/blk (Business Estimate)	Company Data	Recycled	18,200.0	
A-30			Paper	Cardboard	Recycled	2.2 lb/med box	USEPA	Recycled	1,144.0	
A-30			Metal	Scrap Metal (started after 1/99)	Recycled	200 lb/blk (Business Estimate)	Company Data	Recycled	10,400.0	
A-31	Office Equipment	1	Paper	Mixed Paper (Survey Incomplete)	Recycled	08 lb/mth (Business Estimate)	Company Data	Recycled	1,920.0	
A-32	City Public Works Department	56	Paper	Cardboard	Recycled	50 lb/cy	USEPA	Recycled	109,200.0	
A-33	City Recreation Department	20	Paper	Paper	Recycled	5 lb/team	USEPA	Recycled	280.0	
A-33			Other	Computer	Donated	55.33 lb/computer	USEPA	Reuse	442.6	
A-34	Assisted Living Community	40		Name						
A-35	Senior Citizen Center	5	Paper	Paper	Recycled	5 lb/team	USEPA	Recycled	3,900.0	
A-36	Sign Shop	3		Name						
A-37	Smoke Shop	1		Name						
A-38	Thrift Store	6		(Survey Incomplete)						

Board Meeting
October 15-16, 2002

Agenda Item
Attachment 2A

Ref No.	Type of Business	No. of Emps.	Type	Item	Activity	Conversion wt.	Source	Reuse (lb/yr)	Recycling (lb/yr)	Composted (lb/yr)
A-39	Gas Station & Auto Shop	5	Other	Tires	Recycled	20 lb/tire	USEPA	Recycled	3000	-
A-40	School	4	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	30.0	-
A-41	Wholesale Clothing	14.5	Paper	Cardboard	Recycled	4 lb/lg box	USEPA	Recycled	9,600.0	-
A-42	Property Management	20	Paper	Paper	Shredded/Recycled	5 lb/ream	USEPA	Recycled	260.0	-
A-42			Paper	Newspaper	Recycled	1.16 lb/day/per paper	EcoTalasis	Recycled	904.8	-
A-43	Import/Export Gift Holt (metal)	5	Paper	Paper	Reuse (Shredded for Packing)	0.24 lb/gal	USEPA	Reuse	448.2	-
A-44	Environmental Consultant	60	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	120.0	-
A-44			Paper	Paper	Shredded/Recycled	0.24 lb/gal	USEPA	Recycled	18.2	-
A-45	Gas Service	2		None						
A-46	Car Rental Agency	2	Plastic	20 oz Plastic HDPE	Recycled	0.1 lb/20 oz	EcoTalasis	Recycled	438.8	-
A-48			Paper	Mixed Paper	Recycled	383.35 lb/cy	USEPA	Recycled	777.4	-
A-47	Fire Department	60.5		(Survey Incomplete)						
A-48	Palmier Hotel	65.6		(Survey Incomplete)						
A-49	Electronics Mfg	50		(Survey Incomplete)						
A-50	City Hall	1.5	Paper	White Ledger Paper	Recycled	50 lb/case	USEPA	Recycled	8,750.0	-
A-50			Paper	White Ledger Paper	Reuse (Double-Sided)	50 lb/case	USEPA	Reuse	15,000.0	-
A-51	Personnel Service	7		(Survey Incomplete)						
A-52	Flower Shop	2		(Survey Incomplete)						
A-53	Automotive Service	5		(Survey Incomplete)						
B-1	Sublet Construction Co & Office	3.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	10.0	-
B-2	Automotive Paint Wholesale	15	Paper	Paper	Reuse	5 lb/ream	USEPA	Reuse	20.0	-
B-2			Paper	Cardboard	Recycled	2.2 lb/med box	USEPA	Recycled	2,860.0	-
B-2			Paper	Paper	Recycled	5 lb/ream	USEPA	Recycled	52.0	-
B-2			Metal	5 Gal Steel Can (start at Reuse (Refurbished)	2.21 lb/gal		USEPA	Reuse	287.3	-
B-2			Metal	1 Gal Steel Can (start at Recycled)	(0.44) 2.21 lb/gal divide by 5		USEPA	Recycled	2,288.0	-
B-2			Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	19,200.0	-
B-2			Paper	Cardboard	Reuse	2.2 lb/med box	USEPA	Reuse	4,576.0	-
B-2			Paper	Phone Book	Reuse	4 lb/box	USEPA	Reuse	4.0	-
B-2			Paper	Magazine	Reuse	3 lb/per 10 units	USEPA	Reuse	18.0	-
B-3	School	42	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	100.0	-
B-3			Paper	Cardboard	Recycled	50 lb/cy	USEPA	Recycled	13,500.0	-
B-3			Organic Food	Food	Reuse					
B-4	Bank	9	Name	Name						
B-5	Bank	8	Name	Name						
B-6	Gift Shop	1	Name	Name						
B-9	Medical Care (Skilled Nursing C	60	Name	Name						
B-10	Fast Food Restaurant	87	None	None						
B-11	Restaurant	50	Organic	Grease Trap 2	Recycled (Rendered)	1,295 lbs (Business Estimate)	Company Data	Recycled	134,650.0	-
B-11			Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	10.0	-
B-11			Paper	Cardboard	Recycled	50.08 lb/boxes loose flat	Tellus	Recycled	7,812.5	-
B-11			Paper	Paper	Reuse (Scratch Paper)	5 lb/ream	USEPA	Reuse	97.5	-

Board Meeting
October 15-16, 2002Agenda Item
Attachment 2A

Ref No.	Type of Business	No. of Empls.	Type	Item	Activity	Conversion wt.	Source	Reuse	Recycling	Composted
B-11			Organic	Grease Trap 1	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled	52,150.0	
B-12	Video Store (Retail/Ferntel)	9	None							
B-13	Used Book Store	3.5	None							
B-14	Import & Export Products	8.5	None							
B-15	Bar	0.5	Paper	Cardboard	Recycled	1.1 lb/sm. box	USEPA	Recycled	1,584.0	
B-16	Retail Outlet	87.5	Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	41,800.0	
B-16			Paper	Cardboard	Recycled		USEPA	Recycled	40,150.0	
B-16			Paper	Cardboard	Recycled		USEPA	Recycled	120,450.0	
B-16			Paper	Cardboard	Recycled	4 lb/lq box	USEPA	Recycled	73,000.0	
B-16			Plastic	Polyethylene Kernels	Reuse	6.27 lb/cy	Tellus	Reuse	489.1	
B-16			Plastic	5 Gal Plastic Buckets	Reuse	1.9 lb/bucket	USEPA	Reuse	14.3	
B-16			Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	90.0	
B-17	Wood Workshop	2	Organic	Wood	Reuse (to employees)	20 lb/wk (Business Estimate)	Company Data	Reuse	280.0	
B-17			Paper	Cardboard	Reuse	1.1 lb/sm. box	USEPA	Reuse	57.2	
C-1	Bank	6	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	30.0	
C-1			Paper	Cardboard	Recycled	2.2 lb/recd. box	USEPA	Recycled	79.2	
C-2	Bank	6	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	40.0	
C-3	Picture Framing/Mirrors	2	None							
C-4	Makes Paper Scratch Pads	12 to 15	Metal	Scrap Metal (started after 1994)	Recycled	100 lb/yr (Business Estimate)	Company Data	Recycled	100.0	
C-4			Paper	Paper	Recycled	850 lb/box	USEPA	Recycled	66,300.0	
C-5	Exporter/Importer/Manufacturer	7	Paper	Cardboard	Recycled (Scavenged)	2.2 lb/recd. box	USEPA	Recycled	5,720.0	
C-6	Import Small Metal Hardware	10	None							
C-7	Elementary School	49	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	5.0	
C-7										
C-8	Restaurant & Catering	47	Organic	Cooking Oil	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled	27,088.2	
C-9	Health Food Store	2	Plastic	8 oz Plastic Bottle	Recycled	0.11lb/8oz	USEPA	Recycled	41.6	
C-9			Paper	Cardboard	Recycled	2.2 lb/recd. box	USEPA	Recycled	920.2	
C-9			Plastic	1 Gal Plastic Container	Recycled	0.42 lb/container	USEPA	Recycled	174.7	
C-10	Clothing Store	4		(Survey Refused)						
C-11	Hurtl's Store	2.5	Other	Clothing	Reuse	225 lb/cy	Tellus	Reuse	780.5	
C-11			Paper	Cardboard	Recycled	2.43 lb/box	USEPA	Recycled	756.2	
C-12	Computer	5	Paper	White Ledger Paper	Reuse (Scratch Paper)	5 lb/ream	USEPA	Reuse	104.0	
C-12			Paper	Cardboard	Recycled	4 lb/lq box	USEPA	Recycled	980.0	
C-13	Realty Office	35	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	30.0	
C-14	Property Management	42	Other	Toner Cartridges	Reuse	2.5 lb/cartridge	USEPA	Reuse	105.0	
C-15	Investment	?	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	10.0	
C-16	Wholesale Chemicals for Cleaning		Name							
C-17	Wholesale Gams	13.5	Paper	Cardboard	Reuse	2.43 lb/box	USEPA	Reuse	695.0	
C-18	Bank	5	Paper	Paper	Shredded/Recycled	0.24 lb/gal	USEPA	Recycled	32.4	
C-19	Smoke Shop	1	None							
C-20	Cell Phones	3	Paper	Cardboard	Recycled	2.2 lb/recd. box	USEPA	Recycled	1,716.0	
C-21	Circuit Board (Assembly Site)	2	Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	1,200.0	
C-21			Paper	Cardboard	Recycled	2.43 lb/box	USEPA	Recycled	947.7	
C-22	Bank	4.5	Organic	Wood	Reuse (Business Estimate)	15 lb/2 mths	Company Data	Reuse	90.0	
C-22			Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	24.0	

Board Meeting
October 15-16, 2002

Agenda Item
Attachment 2A

Ref No.	Type of Business	No. of Emps.	Type	Item	Activity	Conversion wt.	Source	Reuse (lb/yr)	Recycling (lb/yr)	Composted (lb/yr)
C-22			Paper	Newspaper	Recycled	38 lb/cd	FEECO	Recycled	3,048.4	
C-22			Paper	Cardboard	Return	2.43 lb/box	USEPA	Reuse	29.6	
C-23	Thrift Store	6	Paper	Cardboard	Recycled	2.2 lb/med box	USEPA	Recycled	1,760.0	
C-24	Fast Food Restaurant	1.5	Organic	Cooking Oil	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled	819.5	
C-25	Medical Business Services	70	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	50.0	
C-26	Restaurant	15	Organic	Grease Trap	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled	56,117.6	
C-26			Paper	Cardboard	Recycled (Scavenged)	2.43 lb/box	USEPA	Recycled	341.2	
C-26			Plastic	5 Gal Plastic Buckets	Reuse	1.9 lb/bucket	USEPA	Reuse	197.8	
C-26			Plastic	5 Gal Plastic Beverage Container		0.94 lb/bucket	EcoTalesis	Reuse	146.6	
C-27	Restaurant	48.5		None						
C-28	Residential Realtor	27.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	60.0	
C-28			Organic	Cooking Oil	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled	78,254.8	
C-29	Residential Realtor	11/132 agents	Food (Pbs)		Donated	5 lb/pie (Business Estimate)	Company Data	Reuse	720.0	
C-30	Really	70	None	None						
C-31	Fast Food Restaurant	2.5		None						
C-32	Other Home Care	112		None						
C-33	Cell phone (AT&T, Nextel)	3		None						
C-34	Stock Brokers	16.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	20.0	
C-35	Floor Covering-Retail	4		None						
C-36	Water/Bottled	14	Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	6,000.0	
C-37	Communications Union	5	Paper	Mixed Paper	Recycled	0.24 lb/gal	USEPA	Recycled	1,372.8	
C-37			Paper	Cardboard	Recycled (Scavenged)	2.2 lb/med box	USEPA	Recycled	1,144.0	
C-37			Paper	Phone Book	Recycled	4 lb/bk	USEPA	Recycled	16.0	
C-38	Pre-School	4		None						
C-39	?	8.5		(Survey Incomplete)						
C-40	Restaurant	9		(Survey Incomplete)						
C-41	Restaurant	36		(Survey Incomplete)						
D-1	Middle School	52.5	Organic	Cooking Oil	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled	1,639.0	
D-2	Metal Resurfacing Machine Parts	50	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	2.5	
D-2	Liquor Store	2	Paper	Cardboard	Reuse	50 lb/cd	USEPA	Reuse	31,248.0	
D-3			Paper	Phone Book	Recycled	4 lb/book	USEPA	Recycled	8.0	
D-3			Paper	Newspaper	Recycled	1.16 lb/day per paper	EcoTalesis	Recycled	361.9	
D-4	Import & Assembly	44	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	20.5	
D-4			Paper	White Ledger Paper	Recycled	400 lb/cy	USEPA	Recycled	2,400.0	
D-5	Restaurant	32	Paper	Cardboard Bin	Recycled	50 lb/cd	USEPA	Recycled	15,600.0	
D-6	Restaurant	15	Organic	Wood Crates	Reuse	20 lb/crates (Business Estimate)	Company Data	Reuse	1,560.0	
D-6			Paper	Cardboard	Recycled	1.1 lb/sm box	USEPA	Recycled	6,318.0	
D-6			Plastic	5 Gal Plastic Beverage Container		0.34 lb/bucket	EcoTalesis	Reuse	6,768.0	
D-7	Really Office	32	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	30.0	
D-7			Paper	Newspaper	Recycled	35 lb/12 inch	USEPA	Recycled	5,460.0	
D-8	Ophthalmology Office	11.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	90.0	
D-8			Paper	Cardboard	Recycled	2.43 lb/box	USEPA	Recycled	1,164	
D-8			Paper	White Ledger File Purge	Recycled	400 lb/cy	USEPA	Recycled	5,000.0	

Board Meeting
October 15-16, 2002

Agenda Item
Attachment 2A

Ref No.	Type of Business	No. of Empls.	Type	Item	Activity	Conversion wt.	Source	Reuse (lb/yr)	Recycling (lb/yr)	Composted (lb/yr)	
D-9	Truck Driving School/Property M	22.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	450	189.5	
D-9			Paper	Cardboard	Recycled	2.43 lb/box	USEPA	Recycled			
D-10	Dry Cleaning/Laundry	6		None							
D-11	Liquor Store	1		(Survey Incomplete)							
E-1	Bank	7.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	45.0		
E-2	Auto Repair	4	Other	Car Alternator	Recycled		15 lb/each (Business Estimate)	Company Data	Recycled	900.0	
E-2			Mail	55 Gal Metal Drum	Recycled	25 lb/55 gal drum	EcoTessis	Recycled	300.0		
E-2			Other	Oil Filters	Recycled	1.5 lb/filter	USEPA	Recycled	270.0		
E-2			Other	Car Battery	Recycled	20 lb/battery	USEPA	Recycled	3,800.0		
E-2			Other	Tires	Recycled	20 lb/tire	USEPA	Recycled	12,000.0		
E-2			Other	Composite Brakes	Recycled	8 lb/each (Business Estimate)	Company Data	Recycled	960.0		
E-3	Office	12	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	15.0		
E-3			Paper	White Ledger Paper	Recycled	5 lb/ream	USEPA	Recycled	617.5		
E-3			Paper	White Ledger Paper	Reuse (Scratch Paper)	5 lb/ream	USEPA	Reuse	32.5		
E-4	Hotel	63	Paper	Cardboard	Recycled	50 lb/bin (Business Estimate)	Company Data	Recycled	24,000.0		
E-4			Paper	White Ledger Paper	Recycled	5 lb/ream	USEPA	Recycled	1,300.0		
E-4			Paper	Phone Book	Recycled	4 lb/book	USEPA	Recycled	800.0		
E-5?		5.75		(Survey Incomplete)							
E-6	Fast Food Restaurant			(Survey Incomplete)							
F-1	Shoe Store	3.5		None							
F-2	Car Wash	48	Paper	Cardboard	Reuse	1.1 lb/ sm. box	USEPA	Reuse	2,288.0		
F-2			Paper	Cardboard	Recycled (Scavenged)	2.2 lb/med. box	USEPA	Recycled	1,900.8		
F-3	Auto Tire & Service Center	9	Other	Tires	Recycled	20 lb/tire	USEPA	Recycled	104,000.0		
F-4	Storage	1	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	5.0		
F-4			Paper	Cardboard	Recycled	2.2 lb/med. box	USEPA	Recycled	572.0		
F-4			Pallets	Wood Pallets	Reuse (Scavenged)	40 lb/pallet	USEPA	Reuse	480.0		
F-5	Middle School	30.5	Paper	White Ledger Paper	Reuse	5 lb/ream	USEPA	Reuse	487.5		
F-5			Paper	Grease Trap	Recycled (Rendered)	410 lb/65gal drum	USEPA	Recycled	820.0		
F-5			Organic	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	15.0	
F-6	Tuxedo Sales & Rental	4.5		None							
G-1	Retail Clothing	37	Paper	White Ledger Paper	Recycled	1.3 lb/gal	USEPA	Recycled	878.0		
G-1			Paper	Cardboard	Recycled	2.2 lb/med. box	USEPA	Recycled	14,300.0		
G-2	Bakery	12.5	Organic	Food	Donation	20 lb of bagels (Business Estimate)	Company Data	Reuse	3,120.0		
G-2			Paper	Newspaper	Recycled	38 lb/ct	FEECO	Recycled	2,377.4		
G-2			Paper	Cardboard	Recycled	2.43 lb/box	USEPA	Recycled	624.0		
G-3	Tire/Auto Service	4.5	Other	Tires	Recycled	20 lb/tire	USEPA	Recycled	60,000.0		
G-3			Paper	Cardboard	Recycled	1.1 lb/ sm. box	USEPA	Recycled	1,372.8		
G-3			Paper	Cardboard	Recycled	4 lb/big. Box	USEPA	Recycled	832.0		
G-4	Restaurant	46		None							
G-5	Lock & Safe	2	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	10.0		
G-6	Real Estate Appraisers	2	Other	(Survey Incomplete)							
G-7	Plumbing Services	25	Organic	Food	Donated	2 lb/doz. Donuts (Business Estimate)	Company Data	Reuse	840.0		
H-1	Hotel	32	Paper	Cardboard	Recycled	50 lb/cy	USEPA	Recycled	14,040.0		
H-1			Paper	White Ledger Paper	Recycled	400 lb/cy	USEPA	Recycled	270,000.0		

Ref No.	Type of Business	No. of Emps.	Type	Item	Activity	Conversion wt.	Source	Reuse	Attachment 2A		
									(lb/yr)	Recycling (lb/yr)	Composted (lb/yr)
H-1			Paper	Junk Mail	Recycled	2 lb/day (Business Estimate)	Company Data	Recycled	640.0		4,800.0
H-1			Paper	Newspaper	Recycled	1 lb/paper (Business Estimate)	Company Data	Recycled	1,536.0		
H-1			Paper	Paper	Shredded/Recycled	0.24 lb/gal	USEPA	Reuse			
H-2	Bicycle	6.5		None							
H-3	School	47.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	90.0		
H-3			Paper	White Ledger Paper	Recycled	563.51 lb/cy	Tellus	Recycled		39,259.1	
H-3			Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	180.0		
H-3			Plastic	5 Gal Plastic Buckets	Reuse	1.9 lb/bucket	USEPA	Reuse	7.6		
H-4	Pet Shop	12	Paper	Cardboard	Recycled	1.1 lb/sm box	USEPA	Recycled		286.0	
H-5	Hotel	30	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	45.0		
H-5			Paper	Cardboard	Recycled	50 lb/cy	USEPA	Recycled		10,837.5	
H-5			Organic	Grease Trap	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled		78,255.0	
H-6	Coffee Shop	3		None							
H-7	Horse Supplies	1	Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	4,800.0		
H-7			Paper	Cardboard	Reuse	2.2 lb/sm box	USEPA	Reuse	1,408.0		
H-7			Paper	Paper	Reuse	50 lb/case	USEPA	Reuse	90.0		
H-8	Elementary School	60	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	45.0		
H-8			Paper	White Ledger Paper	Reuse	383.51 lb/cy	Tellus	Reuse	180.0		
H-8			Paper	Cardboard	Reuse	2.43 lb/box	USEPA	Reuse	612.4		
H-8	Clothing	150	Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	480.0		
H-9			Paper	Cardboard	Reuse	4 lb/lb/g box	USEPA	Reuse	2,840.0		
H-9			Paper	Cardboard	Recycled (Scavenged)	4 lb/lb/g box	USEPA	Recycled		2,840.0	
H-9			Paper	White Ledger Paper	Reuse	50 lb/case	USEPA	Reuse	900.0		
H-9			Other	Textile (Yarn)	Reuse	20 lb/day (Business Estimate)	Company Data	Reuse	5,200.0		
H-10	Carpet	3		None							
H-11	Fast Food Restaurant	3.5		None							
H-12	Elementary School	27.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	12.5		
H-12			Paper	White Ledger Paper	Reuse	51 lb/stream	USEPA	Reuse	1,350.0		
H-13	Primary School	13	Paper	White Ledger Paper	Reuse	51 lb/stream	USEPA	Reuse	45.0		
H-13			Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	2.5		
H-14	Furniture & Accessories			(Survey Incomplete)							
H-15	Computer										
I-1	Restaurant	19.5		None							
I-2	Fast Food Restaurant	27.5	Organic	Cooking Oil	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled		42,514.0	
I-2			Paper	White Ledger Paper	Raise	0.01 lb/sheet	USEPA	Reuse	20.8		
I-2			Paper	Cardboard	Raise	50 lb/cy	USEPA	Reuse	15,600.0		
I-3	Bank	8	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	40.0		
I-3			Paper	Cardboard	Recycled	1.1 lb/sm box	USEPA	Recycled		92.4	
I-3			Paper	Mixed Paper	Recycled	983.5 lb/cy	USEPA	Recycled		2,806.2	
I-4	AT&T Wireless	2	Paper	White Ledger Paper	Raise (Scratch Paper)	51 lb/stream	USEPA	Reuse	6.0		
J-1	Large Retail Store	140	Metal	Metal Fixtures (started after Recycled)	46.7 lb/cd	FEECO	Recycled		1,595,420.0		
J-1			Paper	Cardboard	Raise	850 lb/bale	USEPA	Recycled		353,600.0	
J-1			Paper	Mixed Paper	Raise	383.5 lb/cy	USEPA	Recycled		5,816.0	
J-1			Paper	Cardboard	Raise	2.43 lb/box	USEPA	Reuse	13,219.2		
J-1			Plastic	Polyethylene Foam Foam	Raise	9.82 lb/cy	Tellus	Reuse	158.7		

Board Meeting
October 15-16, 2002

Agenda Item
Attachment 2A

Ref No.	Type of Business	No. of Emps.	Type	Item	Activity	Conversion wt.	Source	Reuse (lb/yr)	Recycling (lb/yr)	Composted (lb/yr)
J-1			Plastic	Plastic Mixed	Recycled	32 lb/cy	USEPA	Recycled	5,547.0	
J-1			Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	180.0	
J-2	Medical Equipment Manufacturer	225	Paper	Cardboard	Recycled	850 lb/pallet	USEPA	Recycled	73,100.0	
J-3	Bath, Bar, Kitchen Fixtures	1		Name						
J-4	Car Maintenance	8.5		Name						
J-5	Accounting Office	3		Name						
J-6	Manufacture Machine Parts	3.5	Paper	Cardboard	Reuse	2.43 lb/cy	USEPA	Reuse	947.7	
J-7	Fabric & Crafts	6.5		(Survey Incomplete)						
K-1	Fast Food Restaurant	19	Organic	Cooking Oil	Recycled (Rendered)	400 lb/mths (Business Estimate)	Company Data	Recycled	4,800.0	
K-2	Computer	6		Name						
K-3	Auto Parts	4.5	Paper	Cardboard	Recycled	50 lb/cy	USEPA	Recycled	20,800.0	
L-1	Park	4	Yardwaste	Grass/Cycling	Grass/Cycling	6.5 tons per acre per year	Calif. Turfgrass Study	Reuse	676,000.0	
L-1			Paper	Junk Mail	Recycled	1 lb/day (Business Estimate)	Company Data	Recycled	320.0	
L-1			Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	500.0	
L-2	Private Mailbox	2		Name						
L-3	Forrest	1	Paper	Newspaper	Recycled	35 lb/12 inch	USEPA	Recycled	1,820.0	
L-3			Paper	Cardboard	Recycled	2.2 lb/med box	USEPA	Recycled	457.6	
L-4	Imports Exercise Bikes	9		Name						
L-5	Cafe/Books/Gifts	14.5	Organic	Cooking Oil	Recycled (Rendered)	7.45 lb/cyl	USEPA	Recycled	5,811.0	
L-5			Paper	Newspaper	Recycled	1.16 lb/day/per paper	EcoTefestis	Recycled	845.8	
L-6	Christian Bookstore	11		Name						
L-7	Library	5.5	Paper	Magazine	Reuse	1,000 lb/yr (Business Estimate)	Company Data	Reuse	1,026.0	
L-7			Paper	Cardboard	Reuse	2.2 lb/med box	USEPA	Reuse	1,920.0	
L-7			Paper	Mixed Paper	Reuse	3.5 lb/mths (Business Estimate)	Company Data	Reuse	42.0	
L-7			Paper	Books	Reuse	35 lb every 2.5 mths (Business Estimate)	Company Data	Reuse	1,050.0	
L-8	Really	46		Name						
L-9	Elementary School	37.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	2.5	
L-10	Bakery	3		(Survey Incomplete)						
M-1	Home Decor	2		Name						
M-2	Mailing Service	2		Name						
M-3	Restaurant	31	Organic	Cooking Oil	Recycled (Rendered)	7.45 lb/cyl	USEPA	Recycled	3,218.4	
M-4	Restaurant	13	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	5.0	1,450.0
M-4			Paper	Cardboard	Recycled (Scavenged)	1.1 lb/ sm. box	USEPA	Recycled	2,288.0	
M-4			Paper	Cardboard	Recycled	2.2 lb/med box	USEPA	Recycled	1,040.0	
M-4			Paper	Cardboard	Recycled	4 lb/ 9 box	USEPA	Recycled	422.2	
M-4			Paper	Newspaper	Recycled	1.16 lb/day/per paper	EcoTefestis	Recycled	8.0	
M-4			Paper	Phone Book	Recycled	4 lb/book	USEPA	Recycled		
M-4			Plastic	1 Gal Plastic Container	Recycled	0.05 lb/container	USEPA	Recycled	15.6	
M-4			Plastic	5 Gal Plastic Buckets	Recycled	1.9 lb/bucket	USEPA	Recycled	938.6	
M-5	Mattress Shop	3		Name						
M-6	Fast Food Restaurant	32	Paper	Mixed Paper	Recycled	5 lb/ream	USEPA	Recycled	54.8	
M-6			Organic	Cooking Oil	Recycled (Rendered)	50 lb/2wk (Business Estimate)	Company Data	Recycled	1,300.0	
M-6			Paper	Cardboard	Recycled	1.1 lb/sm box	USEPA	Recycled	2,025.8	
M-6			Paper	Cardboard	Recycled	2.2 lb/med box	USEPA	Recycled	16,133.0	
M-6			Paper	Cardboard	Recycled	4 lb/g Box	USEPA	Recycled	7,900.0	

• Board Meeting
October 15-16, 2002

Agenda Item
Attachment 2A

Ref No.	Type of Business	No. of Emps.	Type	Item	Activity	Conversion wt.	Source	Reuse	Reuse (lb/yr)	Recycling	Recycled (lb/yr)	Composted
M-7	Computer	15	Paper	White Ledger Paper	Reuse (Double-Sided)	5 lb/ream	USEPA	Reuse	28,0		1,200	
M-8	Restaurant	23	Organic	Cooking Oil	Recycled (Rendered)	470 lb/55 gal drum	USEPA	Recycled				
M-9	Cleaners	2		None								
M-10	Camera Repair/Sales	1		None								
M-11	Mail Box/Shipping	2	Paper	White Ledger Paper	Reuse (Scratch Paper)	5 lb/ream	USEPA	Reuse	260,0			
M-11			Plastic	Polystyrene Kernels	Recycled	6.27 lb/cy	Tellus	Recycled		1.5		
M-12	Retail/Department Store	195	Paper	Cardboard	Recycled	850 lb/bale	USEPA	Recycled		375,700	0	
M-12			Paper	White Ledger Paper	Reuse (Double-Sided)	5 lb/ream	USEPA	Reuse	27,7			
M-12			Plastic	Plastic Hangers	Reuse	0.13 lb/hanger (Business Estimate)	Company Data	Reuse	208,000	0		
M-12			Plastic	Polystyrene Kernels	Reuse	6.27 lb/cy	Tellus	Reuse	993.3			
M-12			Plastic	Plastic Wrap	Reuse	22.55 lb/cy	USEPA	Reuse	10,716	8		
M-12			Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	120,0			
M-13	Embroidery	3		(Survey Incomplete)								
M-14	Accuritone Systems	45.5		(Survey Incomplete)								
N-1	Office & Property Management	14.5	Other	Toner Cartridges	Reuse	2.5 lb/cartridge	USEPA	Reuse	50			
N-1			Paper	White Ledger Paper	Reuse	5 lb/ream	USEPA	Reuse	15,0			
N-2	Egg Distribution/Producer	30	Organic	Egg (Broken)	Reuse (Sold)	300 lb/wk (Business Estimate)	Company Data	Reuse	15,000			
N-2			Paper	Cardboard	Recycled (Scavenged)	2.43 lb/box	USEPA	Recycled		36,880	0	
N-2			Pallets	Wood Pallets	Reuse (Sold)	40 lb/pallet	USEPA	Reuse	36,400	0		
N-3	Retail/Department Store	333	Paper	Cardboard	Recycled	850 lb/bale	USEPA	Recycled		98,400	0	
N-3			Paper	White Ledger Paper	Reuse (Scratch Paper)	363.51 lb/cy	USEPA	Reuse	872	4		
N-3			Paper	White Ledger Paper	Shredded/Recycled	0.01 lb/sheet	USEPA	Recycled		78,0		
N-3			Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	90,0			
N-3			Metal	Aluminum	Recycled	20 lb/units (Business Estimate)	Company Data	Recycled		240,0		
O-1	Moving	22		None								
P-1	Pizza Fast Food	10		None								
P-2	Supermarket	125	Organic	Wood Waste	Recycled	50.5 tons/cy (Actual Weight)	Company Data	Recycled		61,000	0	
P-2			Paper	Cardboard	Recycled	365.7 tons/cy (Actual Weight)	Company Data	Recycled		793,400	0	
P-2			Paper	Mixed Paper	Recycled	0.4 tons/cy (Actual Weight)	Company Data	Recycled		800	0	
P-2			Metal	Metal-Mix (startred after 195)	Recycled	2.9 tons/cy (Actual Weight)	Company Data	Recycled		5,800	0	
P-2			Plastic	Plastic-Mix	Recycled	14.7 tons/cy (Actual Weight)	Company Data	Recycled		28,400	0	
P-2			Organic	Food (Vegetable & Fruit)	Compost	256.8 tons/cy (Actual Weight)	Company Data	Compost			513,600	0
P-2			Organic	Meat & Grease	Recycled (Rendered)	46.5 tons/cy (Actual Weight)	Company Data	Recycled		93,000	0	
P-3	Shoe Store	2	Paper	Cardboard	Recycled	1.1 lb. sm. box	USEPA	Recycled		990	0	
P-3			Paper	Cardboard	Recycled	4.1 big box	USEPA	Recycled		14,560	0	
P-4	Costume Jewelry/	2		None								
P-5	Manufacture Mexican Food	50	Paper	Cardboard	Recycled (Scavenged)	50 lb/cy	USEPA	Recycled		5,200	0	
P-6	Packaging & Shipping	2	Paper	Cardboard	Recycled	50 lb/cy	USEPA	Recycled		10,400	0	
P-6			Paper	Mixed Paper	Recycled	363.51 lb/cy	USEPA	Recycled		3,053	4	
P-6			Plastic	Plastic Wrap	Recycled	22.55 lb/cy	Tellus	Recycled		44,2		
P-6			Plastic	PolyStyrene Rigid Foam	Recycled	21.76 lb/cy	Tellus	Recycled		391	7	
P-7	Restaurant	4		(Survey Incomplete)								
P-8	?			(Survey Incomplete)								
Q-1	Cleaners	8	Paper	Cardboard	Recycled	4.1 big Box	USEPA	Reuse	192	0		
R-1	Tennis Shop	1		None								

Board Meeting
October 15-16, 2002Agenda Item
Attachment 2A

No.	Type of Business	No. of Emps.	Type	Item	Activity	Conversion wt.	Source	Reuse (lb/yr)	Recycling (lb/yr)	Composted (lb/yr)
R-2	Electronics-Retail	6	Paper	White Ledger Paper	Reuse (Double-Sided)	5 lb/earn	USEPA	Reuse	13.0	
R-3	Grocery Store	38	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	17.5	
R-3			Paper	Cardboard	Recycled	850 lb/able	USEPA	Recycled	663,000.0	
R-3			Plastic	Plastic LDPE	Recycled	72.32 lb/cy	Tellus	Recycled	7,488.0	
R-3			Organic	Bread	Donated	18 lb/cf	FEECO	Reuse	37,908.0	
R-3			Organic	Produce	Compost	1,435 lb/cy	EcoTalestis	Compost		225,108.0
R-3			Organic	Cooking Oil	Recycled (Rendered)	410 lb/5gal drum	USEPA	Recycled	63,960.0	
R-4	Grocery Store	33.5	Organic	Bread	Donated	18 lb/cf	FEECO	Reuse	50,544.0	
R-4			Paper	Cardboard	Recycled	850 lb/able	USEPA	Recycled	663,000.0	
R-4			Paper	Mixed Paper	Recycled	755 lb/cy	USEPA	Recycled	78,520.0	
R-4			Paper	Paper	Shredded/Recycled	8 lb/53 gal	USEPA	Recycled	2,520.0	
R-4			Organic	Food	Donated	18.3-67 lb/cy (Business Estimate)	Company Data	Reuse	47,754.0	
R-4			Organic	Cooking Oil	Recycled (Rendered)	410 lb/5gal drum	USEPA	Recycled	10,660.0	
R-4			Plastic	Plastic LDPE	Reuse	72.32 lb/cy	Tellus	Reuse	1,128.0	
R-4			Organic	Wood Crates	Reuse	20 lb/crates (Business Estimate)	Company Data	Reuse	1,000.0	
R-4			Organic	Produce Composted	Compost	425 lb/load (5 per day, 5 days/wk) (Business Estimate)	Company Data	Compost		552,500.0
R-4			Organic	Meat	Recycled (Rendered)	52 lb/cd	FEECO	Recycled	65,711.0	
R-5	High School	14	Paper	Cardboard	Reuse	2.2 lb/med. box	USEPA	Reuse	39.6	
R-5			Yardwaste	Green Waste	Compost	25 lb/33 gal	USEPA	Compost		450.0
R-5			Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	5.0	
R-6	Food Stock Marketing Analysis	2.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	15.0	
R-6			Paper	Cardboard	Reuse	2.2 lb/med. box	USEPA	Reuse	171.6	
R-6			Plastic	Polystyrene Kernels	Reuse	17 lb/cy (Business Estimate)	USEPA	Reuse	17.0	
R-7	Retail Store for Camping Equipment	5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	12.0	
R-7			Paper	Cardboard	Recycled	50 lb/cy	USEPA	Recycled	14,820.0	
R-7			Paper	Mixed Paper	Recycled	363.51 lb/cy	USEPA	Recycled	5,670.6	
R-7			Organic	Cooking Oil	Recycled	7.45 lb/gal	USEPA	Recycled	3,874.0	
R-7			Plastic	Plastic Packaging	Reuse	1.5 lb/33 gal	USEPA	Reuse	1,498.0	
R-8	Manufactures Drill Bits	65	Other	Toner Cartridges	Return	2.5 lb/cartidge	USEPA	Reuse	7.5	
R-8			Paper	Cardboard	Recycled	250 lb/week (Business Estimate)	Company Data	Recycled	13,000.0	
R-8			Paper	Mixed Paper	Recycled	363.51 lb/cy	USEPA	Recycled	26,172.0	
R-8			Paper	Newspaper/Magazine	Recycled	400 lb/cy	USEPA	Recycled	5,760.0	
R-8			Pallets	Wood Pallets	Reuse	40 lb/pallet	USEPA	Reuse	6,600.0	
R-8			Metal	Steel Shaving (startlet after Recycled	58-65 lb/cf	FEECO	Recycled		1,726,420.0	
R-9	Restaurant	4.5	Plastic	1/2 Gal Plastic Beverage Container	Reuse	0.09 lb/half gal.	USEPA	Reuse	57.6	
R-9			Plastic	1 Gal Plastic Container	Reuse	0.42 lb/container	USEPA	Reuse	275.2	
R-10	Pharmacy/Drug Store	13.5	Other	Toner Cartridges	Return	2.5 lb/cartidge	USEPA	Reuse	30.0	
R-10			Paper	Cardboard	Recycled	50 lb/cy	USEPA	Recycled	20,800.0	
R-11	Contractor	8	None							
R-12	Restaurant	11	Organic	Cooking Oil	Recycled (Rendered)	1,595 lb/cy	EcoTalestis	Recycled	28,710.0	
R-13	Diy Cleaners (No Plant)	1	None							
R-14	Clothing (Department Store)	23	Paper	White Ledger Paper	Recycled	5 lb/earn	USEPA	Reuse	280.0	
R-15	lquor/Moving Service	1	Plastic	12 oz. Plastic HDPE	Recycled	0.05 lb/12 oz.	USEPA	Recycled	780.0	
S-1	Fast Food Restaurant	2.5	Paper	Cardboard	Recycled	2.2 lb/med. box	USEPA	Recycled	16,473.6	
S-2	Holostery	3	None							

* Board Meeting
October 15-16, 2002

Agenda Item
Attachment 2A

Ref No.	Type of Business	No. of Items	Type	Item	Activity	Conversion wt.	Source	Reuse (lb/yr)	Recycling (lb/yr)	Composted (lb/yr)
S-3	Church & School (Catering & Refills)	5.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	30.0	260.0
S-3			Paper	White Ledger Paper	Recycled	5 lb/beam	USEPA	Recycled		
S-3			Yardwaste	Grasscycling	Grasscycling	6.5 tons per acre per year	Call Turfgrass Study	Reuse	676,000.0	
S-4	Cleaners	5		Name						
S-5	Golf Course	10	Yardwaste	Grasscycling	Grasscycling	6.5 tons per acre per year	Calif. Turfgrass Study	Reuse	1,482,000.0	
S-6	Liquor/Fine Cigars	2		Name						
S-7	Drugstore	24.5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	43.3	
S-7			Paper	Cardboard	Recycled	850 lb/box	USEPA	Recycled	136,000.0	
S-8	Drugstore	7	Paper	Cardboard	Recycled	400 lb/cy	USEPA	Recycled	62,400.0	
S-9	Restaurant	9	Metal	# 10 Cans	Reuse	0.77 lb/can	USEPA	Reuse	800.8	
S-9			Paper	Cardboard	Recycled	1.1 lb/sm. box	USEPA	Recycled	286.0	
S-9			Paper	Cardboard	Recycled	2.2 lb/med. box	USEPA	Recycled	856.0	
S-9			Paper	Cardboard	Recycled	4 lb/g. Box	USEPA	Recycled	1,940.0	
S-9			Organic	Cooking Oil	Recycled (Rendered)	410 lb/55gal drum	USEPA	Recycled	8,522.8	
S-10	Financial Services	8	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	150.0	
S-10			Paper	Cardboard	Recycled	2.2 lb/med. box	USEPA	Recycled	264.0	
S-10			Paper	White Ledger Paper	Recycled	5 lb/beam	USEPA	Recycled	300.0	
S-11	Vegetable/Fruit Market	4	Paper	Cardboard	Recycled (Scavenged)	200 lb/day (Business Estimate)	Company Data	Recycled		64,000.0
S-12	Gas Station/Smog Center	9	Other	Composite Brakes	Recycled		Company Data			
S-13	Restaurant	41.25		Name						
S-14	Fast Food Restaurant	1	Plastic	1 Gal Plastic Container	Recycled	0.42 lb/container	USEPA	Recycled	131.0	
S-14			Paper	Cardboard	Recycled	2.2 lb/med. box	USEPA	Recycled	686.4	
S-15	Fast Food Restaurant	7.5		Name						
S-17	Race Track	500	Paper	Cardboard	Recycled		Company Data	Recycled	47,800.0	
S-17			Paper	Mixed Paper	Recycled	30.8 ton/year (Business Estimate)	Company Data	Recycled	61,600.0	
S-17			Metal	Metal	Recycled	23.92 ton/year (Business Estimate)	Company Data	Recycled	47,840.0	
S-17			Yardwaste	Straw	Compost	23,990 ton/year (Business Estimate)	Company Data	Compost	47,998,000.0	
S-17			Yardwaste	Green Waste	Compost	139.03 ton/year (Business Estimate)	Company Data	Compost	278,000.0	
S-17			Yardwaste	Wood Shaving	Compost	11,703.24 ton/year (Business Estimate)	Company Data	Compost	23,406,480.0	
S-18	Restaurant	8	Organic	Cooking Oil	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled	3,874.0	
S-19	Printing	6		(Survey Incomplete)						
S-20	Camera Store	3		(Survey Incomplete)						
S-21	Coffee Shop	6								
T-1	Restaurant	16.5	Organic	Cooking Oil	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled	11,622.0	
T-2	Precision Machining	10		Name						
T-3	Importer	17	Paper	Cardboard	Recycled (Scavenged)	50 lb/cy	USEPA	Recycled	15,600.0	
T-4	Restaurant	4		Name						
T-5	Ready-Office	2		Name						
T-6	Seafood Buffet Restaurant	125	Other	Chairs	Reuse	25 lb/chair (Business Estimate)	Company Data	Reuse	150.0	
T-6			Paper	White Ledger Paper	Reuse	5 lb/beam	USEPA	Reuse	260.0	
T-6			Plastic	Plastic Cleaning Spray	Reuse	0.54 lb/bottle (Business Estimate)	Company Data	Reuse	195.6	
T-7	Restaurant	39	Plastic	Plastic Containers	Reuse	50 lb/week (Business Estimate)	Company Data	Reuse	2,600.0	
T-7			Paper	Cardboard	Recycled	50 lb/cy	USEPA	Recycled	78,000.0	
T-8	Liquor Store	2		Name						
T-9	Toy Distributor	3.5	Other	Toys	Donated	120 lb/months (Business Estimate)	Company Data	Reuse	1,440.0	

Board Meeting

October 15-16, 2002

Agenda Item

Attachment 2A

Ref No.	Type of Business	No. of Empls.	Type	Item	Activity	Conversion wt.	Source	Reuse (lb/yr)	Recycling	Composted (lb/yr)
									(lb/yr)	
T-9			Plastic	1 Gal Plastic Beverage Container	Recycled	0.33 lb/gal	USEPA	Recycled	85.8	
T-9			Paper	Cardboard	Reuse	2.2 lb/med. box	USEPA	Reuse	2,745.6	
T-9			Paper	Newspaper	Reuse	1.15 lb/day/ per paper	EcoTalesis	Reuse	301.6	
T-9			Paper	White Ledger Paper	Reuse (Shredded for Packing)	5 lb/ream	USEPA	Reuse	260.0	
T-9			Paper	Phone Book	Reuse	4 lb/book	USEPA	Reuse	8.0	
T-9			Paper	Junk Mail	Reuse (Shredded for Packing)	0.5 lb/inch (Business Estimate)	Company Data	Reuse	39.0	
T-9			Plastic	Plastic Bubble Wrap	Reuse	2 lb/week (Business Estimate)	Company Data	Reuse	104.0	
T-9			Plastic	Poly/Myrene Kernels	Reuse	1 lb/week (Business Estimate)	Company Data	Reuse	52.0	
T-10	Bank	5	Other	Toner Cartridges	Return	2.5 lb/cartridge	USEPA	Recycled	30.0	
T-10			Paper	Cardboard	Recycled	2.2 lb/med. box	USEPA	Recycled	79.2	
U-1	Pager & Cellular Sales & Service	2		[Survey Refused]						
U-2	Post Office	128.5	Other	Troner Cartridges	Return	2.5 lb/cartridge	USEPA	Reuse	45.0	
V-1	Fast Food Restaurant	3		None						
V-2	Wine & Spirits	2								
V-3	Holiday Boutique	7	Mail	Hangers	Reuse	0.13 lb/hanger (Business Estimate)	Company Data	Reuse	678.0	
V-3			Paper	Cardboard	Recycled	2.2 lb/med. box	USEPA	Recycled	1,144.0	
V-4	Restaurant (Family Owned)	5	Organic	Cooking Oil	Recycled (Rendered)	7.45 lb/gal	USEPA	Recycled	1,937.0	
V-5	Supermarket	55	Organic	Wood Waste	Recycled	7.2 tons/yr (Actual Weight)	Company Data	Recycled	14,400.0	
V-5			Paper	Cardboard	Recycled	93.7 tons/yr (Actual Weight)	Company Data	Recycled	187,400.0	
V-5			Paper	Mixed Paper	Recycled	0.1 tons/yr (Actual Weight)	Company Data	Recycled	200.0	
V-5			Mail	Mail Mix (Started after 1994)	Recycled	0.6 tons/yr (Actual Weight)	Company Data	Recycled	1,200.0	
V-5			Plastic	Plastic-Mix	Recycled	3.5 tons/yr (Actual Weight)	Company Data	Recycled	7,000.0	
V-5			Organic	Food (Vegetable & Fruit)	Compost	6.4 tons/yr (Actual Weight)	Company Data	Compost	420,800.0	
V-5			Organic	Meat & Grease	Recycled (Rendered)	10.8 tons/yr (Actual Weight)	Company Data	Recycled	21,800.0	
W-1	Insurance Agency	25	Plastic	Polystyrene Rigid Foam	Recycled	21.76cy	Tellus	Recycled	261.1	
W-1			Paper	Cardboard	Recycled	2.2 lb/med. box	USEPA	Recycled	132.0	
W-1			Paper	Cardboard	Recycled	4 lb/big. box	USEPA	Recycled	48.0	
W-1			Paper	Phone Book	Recycled	4 lb/book	USEPA	Recycled	50.0	
W-1			Paper	Magazine	Recycled	3 lb/ per 10 units	USEPA	Recycled	12.6	
W-1			Paper	White Ledger Paper	Reuse	5 lb/ream	USEPA	Recycled	1,753.0	
W-2	Bank	15		None						
W-3	Pharmacy	2.5		None						
W-4	Medical Supply (Pet's)	28	Pallets	Wood Pallets	Reuse (Scavenged)	40 lb/pallet	USEPA	Reuse	28,800.0	
W-4			Paper	Cardboard	Recycled	1.1 lb/ sm. box	USEPA	Recycled	21,120.0	
W-4			Paper	Cardboard	Recycled	2.2 lb/med. box	USEPA	Recycled	211,200.0	
W-4			Paper	Mixed Paper	Recycled	42.35 lb/25 gal container	USEPA	Recycled	5,282.0	
W-5	Animal Health Distributors	5	Paper	Cardboard	Recycled	50.08 lb/boxes loose flat	Tellus	Recycled	5,208.3	
W-6	Retail Music Store	7	Plastic	Plastic Bubble Wrap	Reuse	91 lb/week (Business Estimate)	Company Data	Reuse	4,732.0	
W-6			Paper	Cardboard	Reuse	2.2 lb/med. box	USEPA	Reuse	2,288.0	
W-7	Book Store	2	Paper	Magazine	Recycled	3 lb/ per 10 units	USEPA	Recycled	540.0	
W-7			Paper	Cardboard	Recycled	1.1 lb/ sm. box	USEPA	Recycled	228.8	
W-7			Paper	Newspaper	Recycled	1.16 lb/day/ per paper	EcoTalesis	Recycled	10,440.0	
W-8	Property Management	19	Inorganic	Concrete	Recycled	12 cy x 20 (Weight Ticket Pending)	Company Data	Recycled	445,243.0	
W-8			Inorganic	Soil	Recycled	20 cy x 5 (Weight Ticket Pending)	Company Data	Recycled	239,195.0	
W-8			Yardwaste	Green Waste	Recycled	40 cy/wk (Weight Ticket Pending)	Company Data	Recycled	224,640.0	

Board Meeting
October 15-16, 2002

Agenda Item
Attachment 2A

Ref No.	Type of Business	No. of Emps.	Type	Item	Activity	Conversion wt.	Source	Reuse (lb/yr)	Recycling (lb/yr)	Composted (lb/yr)
W-8			Organic	Cooking Oil	Recycled (Rendered BC)	2 ccy/wk (Weight Ticket Pending)	Company Data	Recycled	165,980.0	
W-8			Organic	Cooking Oil	Recycled (Handered WCU)	5250 gal/yr (Weight Ticket Pending)	Company Data	Recycled	39,113.0	
W-8			Metal	Aluminum	Recycled	5 tons (Weight Ticket Pending)	Company Data	Recycled	10,180.0	
W-8			Paper	Cardboard	Recycled (Scavenged)	234.56 (Estimate-Weight Ticket Pending)	Company Data	Recycled	468,720.0	
W-9	Music Store	12	(Survey/mornpile)							
							TOTAL	4,220,476.2	11,847,914.8	73,409,338.0
								2,110.2	5,924.0	36,704.7

City of Arcadia Source Reduction and Recycling Programs from Commercial Sector Surveys

Survey Data Descriptions - Top 10 Diverters by Material Type
All data was collected on-site from business managers.

Composting

Businesses R-4, P-2, R-3 and V-5 compost their unsellable produce and other types of food that would otherwise have been discarded.
Business R-4 composts 276.25 tons per year. This is based on 5 loads per day, 5 days per week sent to be composted.
The business estimates that each load weighs 425 lb.
P-2 has company records showing that they send 258.8 tons per year for composting.
R-3 composts 225,108 lbs per year (112 tons per year). This is based on the EcoTelesis conversion factor of 1,433 lb/cy.
V-5 composts 6.4 tons per year. This is based on actual company records.

Recycling

Cardboard - Businesses # J-1, R-4, R-5, P-2, H-1 and V-5 recycle cardboard
Businesses J-1, R-4, and R-3 bale their cardboard. The USEPA default of 860 lb/bale was used.
Business R-5 gave an estimated weekly diversion tonnage;
The corporate offices for businesses P-2 and V-5 provided actual records of their cardboard recycling which is tracked for their company-wide recycling program.
Business H-1 was calculated base on the size of their cardboard recycling bin at the USEPA default of 50 lb/cubic yard (bin is full at each pick up).

Paper - Businesses # J-1, R-4, R-5, P-2, H-1, L-1 and V-5 recycle paper.
The conversion factor used for J-1 and R-5 mixed paper is USEPA 363.51 lb/cy.
The conversion factor for R-4 was 755 lb/cy, USEPA default weight for compacted mixed paper
P-2 was based on actual company records (800 lb/yr), and L-1 was based on the business estimate of 1 lb/day.
R-4 and H-1 also recycle their shredded paper. The USEPA for shredded paper is 8 lb/33 gallons or .24 lb/gallon.
R-8 and H-1 recycles newspapers and magazines. H-1 estimated that each paper weighs 1 lb.R-8 was converted based on 400 lb/cy (USEPA for loose newspapers).
V-5 records for their recycled mixed paper show that they recycle 200 lb/yr.
H-1 recycles 2 lb/day mixed paper (junk mail) 6 days per week (manager's estimate), and white ledger (400 lb/cubic yard (USEPA))

Glass - None of the top 10 recycle glass

Metal - Businesses # R-8, P-2 and V-5 recycle metal
R-8 is a drill bit manufacturer that recycles steel shavings.
The FEECO default for steel shavings is 58-65 lb/cubic foot. The conversion factor used was 61.5 lb/cubic foot.
P-2 keeps records of their mixed metal recycling. Their records show that they recycled 2.9 tons in 2000.
V-5 recycled .6 tons (Company Records).
This metal was not recycled prior to 1980.

Plastic - Businesses # J-1, P-2, R-3 and V-5 recycle plastic

J-1 and V-5 recycles mixed plastic. J-1 is based on 32 lb/cy (USEPA) and V-5 has actual company records of 3.5 tons per year.
R-3 recycles plastic LDPE in cubic yard bins. The Tellus weight conversion is 72.32 lb/cy.
P-2 recycles 14.7 tons of mixed plastic per year. This is based on actual company records.

Wood Waste - Business # P-2 recycles 30.5 tons of wood waste per year. This is based on actual company records.

V-5 recycles 7.2 tons per year of wood waste. This is actual weight from company records.

Cooking Oil and Meat Scraps - Businesses # P-2, R-3, R-4 and V-5 recycle cooking oil and meat scraps through a rendering company
R-4 and R-3 recycles cooking grease in 55 gallon drums. The conversion is 410 lb/55 gallon drum (USEPA).
P-2 has company records showing that they recycle 46.5 tons per year (meat and grease).
V-5 has company records showing that they recycle 10.9 tons per year (meat and grease).
R-4 recycles meat scraps. The conversion factor is 52.5 lb/cf (FEECO)

Other - Business A-1 is a building material supply company that recycles dry wall and sand.
The business estimates that they recycle 4800 lbs of drywall per year.
This is based on each "load" of drywall weighing 400 lbs. The sand conversion was 2,441 lb/cy (Tellus).

Source Reduction

Paper - # J-1 and A-1 reuse paper.
J-1 reuses cardboard boxes in small to large sizes. The USEPA weight conversion for small to large boxes is 2.43 lb per box.
The large retail chain store reuses 5440 boxes per year or avoids the disposal of 13,219.2 lb of cardboard per year.
A-1 re-uses their white ledger as scratch paper. The avoided disposal is based on the re-use of 5 lb/ream of paper (USEPA).
They re-use 6 reams per month.

Plastic - # R-4 re-uses plastic LDPE. The weight conversion is 72.32 lb/cy.

J-1 reuses 159 lb of polystyrene packing material per year. The Tellus weight conversion is 9.62 lb/cy.

Grasscycling - Businesses # S-5 and L-1 grasscycle

S-5 is a large golf course. They grasscycle 114 acres per year. The California Turfgrass Study weight conversion for grasscycling is 6.5 tons per acre per year.
L-1 is a large County park. They grasscycle 52 acres. See above for the weight conversion of the avoided disposal.

Food Donation - # R-4, R-3 and H-1 donate food

R-4 estimated that they donate 47,754 lbs per year based on 183.67 lb/cy.
R-3 and R-4 donate bread. The FEECO conversion weight is 18 lb/cf.

H-1 donates leftover donuts to employees at an estimated 2 lb per dozen donuts for a total 640 lbs per year.

Pallets - Businesses # R-8, L-1 and A-1 re-use pallets. Pallets were not quantified at the grocery stores.

R-8 reuse pallets that come to them with other materials. They reuse 185 pallets in a business cycle.

L-1 reuses 500 pallets per year. A-1 returns 100 pallets/mo and reuses 120/month. They avoid disposal by returning large double pallets 4 times per year.

The USEPA weight conversion for pallets is 40 lb/pallet.

R-4 reuses 50 wood crates per year. The business estimates that each crate weighs 20 lb for an avoided disposal of 1000 lb/yr.

Toner Cartridge - J-1, R-8, R-3 and A-1 return toner cartridges to the manufacturer for refilling and reuse.

The EPA weight default / avoided disposal for a toner cartridge is 2.5 lb each.